

CALIFORNIA AIR RESOURCES BOARD  
MONTHLY QUALITY CONTROL MAINTENANCE CHECK SHEET  
R&P PARTISOL - FRM Model 2000 PM-2.5 AIR SAMPLER

Location: \_\_\_\_\_ Month/Year \_\_\_\_\_  
Station Number: \_\_\_\_\_ Technician: \_\_\_\_\_  
Property Number: \_\_\_\_\_ Agency: \_\_\_\_\_

**Operator Instructions:**

Each Run: Record and review sample run data; inspect/clean water jar, cassette & rubber seals.

Every 5 Runs: Clean or change out WINS impactor well.

Dates WINS Serviced: \_\_\_\_\_

Monthly: Clean interior of sampler, air intake filter and fan. Date Performed: \_\_\_\_\_  
Inspect o-rings, gaskets, seals; check sampler clock time (<+/-10 min):  
Perform single-point QC check of flow rate, ambient temperature and pressure.  
Perform field and trip blanks as required. Date: \_\_\_\_\_  
Perform leak check: Date/Results: \_\_\_\_\_/  
(<80mL/min for 1 min.: which is equal to <5" Hg change/min.)  
Clean PM10 FRM Inlet.

Semiannually: Perform multi-point calibration of flow rate, temperature, and pressure sensors.

Date Last Calibrated: \_\_\_\_\_

Perform Leak Test, Inspect sampler's inlet, WINS, and interior conditions.

Replace large in-line filter. Date Last Performed: \_\_\_\_\_

Check Voltage Level on Main Computer Board Battery. Date Last Performed: \_\_\_\_\_

Measure temperature of station freezer. Date Last Performed: \_\_\_\_\_

**Monthly Sampler Flow Rate, Ambient Temp and Pressure Check Results:**

	Flow Rate Standard	Temperature Standard	Pressure Standard
Standard Name/Type:			
Standard Certification Date:			
Identification Number:			
Correction Factor:			
Std's Indicated Reading:			
Std's Corrected Reading:			
Sampler's Reading:			
Percent Difference:			
Acceptance Criteria:	15.84 to 17.50 lpm	≤+/-2EC of standard	≤+/-10 mm Hg of std

Operator Comments: \_\_\_\_\_  
\_\_\_\_\_

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_